MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

November 1947

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

NOVEMBER 1947

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8.30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	59.9	57.7	57.8	58.5	25.2	21.0	22.3	23.8	22.7	22.9
2	8.8	8.1	8.9	8.6	25.4	19.9	23.3	24.2	22.3	23.3
3	60.4	9.6	60.4	60.1	25.1	21.2	23.0	24.4	22.5	23.3
4	59.9	9.8	59.6	59.8	26.8	22.5	24.4	25.6	23.6	24.5
5	61.0	61.1	61.8	61.3	25.4	18.3	23.3	24.5	20.7	22.8
6	61.7	60.1	61.1	61.0	23.4	18.0	18.4	23.4	20.5	20.8
7	0.6	59.2	58.6	59.5	23.9	18.8	21.2	20.7	19.0	20.3
8	54.2	3.1	4.9	4.1	23.9	13.4	23.1	16.8	13.9	17.9
9	60.2	8.1	9.7	9.3	19.9	16.7	16.8	17.7	18.9	17.8
10	0.8	60.2	61.1	60.7	20.8	15.2	16.1	18.3	15.5	16.6
11	62.5	61.6	62.4	62.2	20.3	15.8	17.2	18.9	16.3	17.5
12	2.3	1.8	3.8	2.6	21.2	16.7	18.8	20.1	17.7	18.9
13	5.0	4.3	5.8	5.0	22.1	17.3	19.0	21.8	18.8	19.9
14	5.6	4.6	4.4	4.9	22.4	17.8	20.4	21.3	20.0	20.6
15	4.5	3.6	4.2	4.1	22.3	17.4	20.7	21.5	18.6	20.3
16	65.1	63.4	63.4	64.0	21.7	17.7	20.0	21.6	19.9	20.5
17	2.7	0.5	59.0	0.7	24.4	20.1	20.1	21.2	20.4	20.6
18	57.5	57.8	9.1	58.1	24.0	17.3	23.3	22.7	18.8	21.6
19	60.9	60.4	61.4	60.9	21.2	17.2	19.6	20.7	18.3	19.5
20	2.4	1.6	2.3	2.1	21.9	17.9	19.9	20.5	18.3	19.6
21	61.9	60.8	61.4	61.4	22.1	17.5	19.1	20.5	18.2	19.3
22	1.2	59.4	59.4	0.0	23.3	12.9	20.8	21.4	18.9	20.4
23	59.5	7.8	7.8	58.4	18.2	14.2	13.7	18.1	16.1	16.0
24	7.0	5.7	6.9	6.5	20.3	13.8	17.8	19.9	14.3	17.3
25	8.6	8.1	9.2	8.6	18.6	16.1	17.3	17.7	16.1	17.0
26	60.8	60.4	62.1	61.1	21.7	16.3	18.8	21.1	17.2	19.0
27	4.0	3.6	4.9	4.2	21.3	17.2	18.9	20.6	18.0	19.2
28	6.2	4.3	4.9	5.1	21.1	17.4	18.4	20.5	18.8	19.2
29	4.8	2.9	3.2	3.6	21.8	18.2	20.2	21.6	18.4	20.1
30	4.2	3.3	3.3	3.6	22.2	17.5	20.1	21.1	18.2	19.8
	61.47	60.63	61.08	61.00	22.39	17.39	19.86	21.07	18.69	19.88

Barometer, range for month 766.2 — 753.1 mm.
,, 71-yr. average for month 762.63 mm.
Thermometer, range for month 26.8° — 12.9°C
,, 71-yr. average for month 19.85 °C.
Rain, total for month 253.48 mm.
,, 71-yr. average for month 132.61 mm.
,, Tolal, Sept. 1st. to end of month 313.44 mm.
,, 71-yr. average, Sept. 1st. to end of month 188.82 mm.

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Date	Pressure of Water Vapor mm.				Relative Humidity per cent.				Sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	13.1	13.7	13.5	13.4	64	62	66	64	7.1	747.0	0.25
2	14.3	13.7	15.3	14.4	67	60	77	68	7.3	254.0	0.76
3	13.5	15.1	15.8	14.8	62	67	80	70	8.1	249.0	
4	14.4	15.5	10.9	13.6	63	63	51	59	2.0	340.0	
5	14.1	14.9	12.9	14.0	66	66	71	64	6.5	644.0	
6	15.5	14.9	13.9	14.8	98	70	77	82	7.5	661.0	24.13
7	13.6	15.1	13.1	13.9	73	83	81	79	7.2	623.0	6.60
8	10.4	11.4	10.9	10.9	49	80	92	74	3.2	809.0	14.99
9	13.2	13.1	11.7	12.7	94	87	73	85	2.1	700.0	39.88
10	12.5	11.7	10.8	11.7	93	75	83	84	4.7	539.0	4.57
11	9.2	9.6	8.9	9.2	63	60	65	63	4.1	214.0	0.25
12	11.0	11.6	10.9	11.2	69	66	72	69	8.0	385.0	
13	10.9	12.4	12.1	11.8	67	64	75	69	8.4	179.0	
14	11.8	13.6	14.4	13.3	66	72	83	74	9.4	274.0	
15	13.0	12.6	12.7	12.8	72	66	80	73	9.3	291.0	
16	13.5	13.4	13.1	13.3	78	70	75	74	9.1	364.0	
17	12.5	13.0	15.3	13.6	71	69	85	75	7.0	359.0	
18	16.2	16.4	15.4	16.0	76	80	95	80	1.7	372.0	2.54
19	14.0	11.7	11.9	12.5	83	64	77	75	5.7	270.0	12.19
20	10.7	12.3	11.9	11.6	62	69	76	69	6.0	175.0	
21	12.4	13.3	12.1	12.6	76	75	78	76	8.0	169.0	
22	12.8	15.3	13.3	13.8	71	80	84	78	2.8	483.0	
23	11.4	11.4	11.8	11.5	95	75	87	86	1.9	356.0	118.87
24	12.1	13.4	11.5	12.3	80	77	94	84	5.8	505.0	19.30
25	11.3	13.0	10.5	11.6	77	86	78	80	2.2	454.0	8.13
26	11.2	12.8	12.1	12.0	69	70	84	74	6.9	544.0	1.02
27	11.5	12.8	12.3	12.2	72	71	80	74	9.6	238.0	
28	13.0	13.5	14.1	13.5	83	75	87	82	9.5	488.0	
29	14.2	15.2	14.0	14.5	81	79	89	83	9.6	241.0	
30	13.3	15.0	11.4	13.2	75	80	74	76	8.5	245.0	
	12.69	13.38	12.61	12.89	73.8	72.0	78.9	74.7	6.30	403.33	8.449

Height of Barometer above sea level: 33.7 meters.
,, ,, Thermometers above ground:
Dry and wet 1.55 m ; Max. 1.75 m.; Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T.
71 year averages are for period, 1875-1945

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Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10cu	2cu	3cu	5.0	3ne	1ne	3ne	slight	
2	5cu	1cu	0	2.0	4ne	2ne	0	,,	
3	0	1ci	0	0.3	1sw	0	1sw	light	
4	1cu	9cu-ci	0	3.3	1ne	0	1ne	,,	
5	1cu	1cu	0	0.7	2sw	2sw	1sw	slight	Traces a.m.
6	10ni	3cu	1cu	4.7	2w	2sw	1sw	slight	
7	4ci	8cu	0	4.0	1se	2nw	1nw	,,	
8	0	10cu-ni	10ni	6.7	4sw	6sw	3sw	mod.	Thnderstorm p.m.
9	6cu-ni	10ni	5cu	7.0	2sw	3sw	4sw	rough	
10	10ni	6cu	5cu	7.0	2sw	4nw	2nw	mod.	
11	8cu	1cu	1cu	3.3	1se	0	1sw	slight	
12	10cu	1cu	2cu	4.3	0	2ne	1ne	,,	
13	0	6cu-ci	0	2.0	1s	1w	0	light	
14	0	0	0	0.0	0	1n	1nw	,,	
15	0	0	0	0.0	1s	1ne	0	,,	
16	0	0	0	0.0	0	1n	1n	light	
17	0	0	0	0.0	0	1ne	1ne	slight	
18	10cu	6cu	7cu	7.7	1sw	1s	1sw	,,	
19	2cu	4ci-cu	8cu	3.7	1sw	2w	1sw	light	
20	2ci	9cu-ci	9cu	6.7	1s	1ne	1n	,,	
21	1ci	6cu	1cu	2.7	1se	1s	1sw	slight	Traces p.m.
22	4ci	10cu	8cu	7.3	1se	1ne	3ne	light	Th, at night
23	10ni	9cu	8cu	9.0	1sw	1sw	1sw	slight	Highest Rain record During one night
24	2cu	8cu	10ni	6.7	1sw	1sw	2sw	,,	Traces a.m.
25	10cu	9cu-ni	7cu	8.7	2sw	1sw	1sw	,,	
26	1cu	3ci-cu	2ci	2.0	2sw	2sw	1sw	slight	
27	2cu	5cu	0	2.3	1w	1nw	1nw	,,	
28	0	0	0	0.0	1se	3ne	2ne	,,	
29	0	0	0	0.0	1ne	1ne	0	light	
30	0	0	0	0.0	1sw	1ne	0	,,	
				3.57					

* Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	4	0	5	3	12	2	3	4	30
14:30	2	10	0	0	2	8	2	3	3	30
20:30	0	6	0	0	0	14	0	0	5	30
Mean	4	20	0	5	5	34	4	6	12	90

Number of days with rain 14, fog 0, thunderstorms 2, gale 0.

71 yr. av. number of days with rain during month 9.4